

ABSTRACT

A sprayable protective coating for preventing excessive aircraft and aircraft engine component deterioration caused by environmental variations comprises a water borne latex-based mixture, an additive for controlling the dielectric constant of the cured coating, and a catalyst for enabling the chemical reaction between the
5 additive, de-ionized water for thinning material and the latex-based liquid. The process for applying and curing the coating uses a robotic spraying device and an iterative heating and soaking curing procedure.

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